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TO DON CHITRIP, these you far help which my appropriate temperature and for your sulfarences to you of veneral to

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To Bardon's Dearways, who converted my duefic to the (ina) profect. Thenk you fee your long and unremnersions hours to accommodate my time athefuls and far your confidence.

Finally, to my parents. These you for your many years of herd work and namericans in give me the typels to become what I se. These you for your unevening confidence, your boundless life. and for almost bound there.

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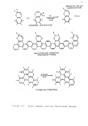


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## 2.4 4 The Proposition Spirition

sheared adsorption Lasthern. One particular palation of this integral experts o ensume the Lasthern ended to be the Lasthern Euclean and extributes the self-stane in b exictly to the heat of advocation. The enderion to the integral

and it have a the Promiting Simplican Language (I), and the Section of the Conference of the Conferenc

where E and E are functions of compositie and p is a constant (EI). Both seathers equations with 100 Min the like I decored Seltsian (INE) Ministerialise equilibrium made accessibility is prediction education (EI) and the constant of the

MMCC 8. 3 and 4 mass determined by swattaining (x) of superconcelled due to the equettion. As less similaris common wearlines the equettion reference to Sengr's San. As high solution solutionalistic that equation is equivalent to the Frenchisch model, and whisi o "1. the equation becomes the language restricts. This experiency because the Supercorrections of the Company of the C

Then so seemed other single-sulate descriptive equilibries endels seem a versely of persected that translations due of seeklesty. Sees of these are listed and described elements is a brief leview of single-solute.

## 2 7 Approaches to broductive Single-sole Specific tem Models

## 217.1 themogramic species.

Physical educoption has been descalated by electrical Management applied it is macroscopic approach in their and LACTH-classication soletic (1, 2, 10-7, 19, 18). The Condensated expression of the Management of electrical in the dillne specific which, for dilute solutions of one malate, may be approximated by

where I so the emust of ealste obserbed per unit aree of marines at equalaberays, in escens of the bulk economicati idea tenund the marines encest. If Y as defaued on the interfecial tenunc, then a equite which reduces Y will

leathern for the molid-liquid interfere results in the form

$$\Gamma n_i^{ik} d\mu_i - k\delta^2 = 0$$
 (2-16)

at controls temperature and where  $\lambda$  as the moder confine entering access of the electronics,  $\Sigma_{ij}^{(k)}$  is an interval absorption term exponentment by  $10\xi_{ij}$  as distance relations,  $\nu_{ij}$  is the channel protected of composed i,  $\nu_{ij}$  is a bit expression preserver, V is able expression preserver, V is able expending preserver, V is able to be able to the control of the control by absorption [18].

The Sendipsent of the Collect sempleme request or Morresipposcolity, Intel 2010 total is writingle specific market even identical for all admirates (FF). Since the between market and the extremely particular confident, could descriptional use illustrations to be sent in the option. Morresipposcolity is incomposited in which or deliverable sentences between the particular deliverable sentences. This appreciab takes a elementary time of the alonglicot process at the surface of a solid phase and applies at memory believes for elementary the solidic unital times Liprium which take this apprecial totaled an application of the eclospholic theory and the sax alsosphase control to proposable. These was modele engineers the importance of solidies actions, and advertise the importance of solidies actions, and advertise inversations in the simply proposable.

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manament were obscied using only the salesative sales, who noise subme, and a recent sections of collability. The model is relatively as one watered the rowsy produce is electromy the inputation of noise, malesa, and electrics interestions and roughly estimated estative electrics connection is a followed security collection companion.

# 2 7-2 Singgilles Intentant Agenton

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composition. The dest edecrytical energy concept producted E

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### 2.0 Milti-salata Desiritation totals

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2 d. 1 Secretaries metals

The descripture models include a Model proposed by Fills and debinender and an automatem of the Nacha-Proconts these-parameter model (7), bill. The Print and Schlander model invitve a quaeral espazioni equation of the form

$$q_{i_1,1} = \frac{s_{i_2} c_{i_1,1}^{2_{i_1}}}{s_{i_2} + \frac{1}{2} s_{i_1} s_{i_2}^{2_{i_1}}}$$
 (2-11)

where a red z refer to infracts officers, a as the fails indicate of verbrons of  $x_{12} \cdots x_{12} x_{12} x_{13} x_{14} x_{14}$ 

An extension of a posturely described single-values three-parameter model was needed for multi-relate data applicable like (MI). We needed for multi-relate data

$$\theta_{\alpha_{1},1} = \frac{(\lambda_{1})(2_{\alpha_{1},1}/\alpha_{1})}{1 + \frac{1}{2} \cdot \theta_{1} \cdot (2_{\alpha_{1},1}/\alpha_{1})^{2}}$$
(2-14)

where  $A_i$  b, and B are parameters determined from simples solube inetherms, and the interestion terms,  $h_j$  and  $h_{j+1}$  are determined from minumoships system data:

NOT LIMES SOURCE ADMINISTRY CHARGEST MINISTRY CONTROLLED AND CONTR

### 1.4.1 Incompact Computation, model

This model naturals the Companir congle-maintar equation to a competitive, Milki-mainta model on the Comp

$$b_{ij} = \frac{1}{1 + \frac{1}{\sqrt{2}} b_{ij} c_{ij}}$$
 (1-25)

where 1 cod 5 refer to the maleton or colorion and the remnanter become re on defined pursuasely for the Assympt SECTATE. The constants, Q and b. ESC determined from Example solute data. The model accomes equal competition CO CHIEF, COMPANY PERSONALLY, and NO ACCESSION, DESCRIPTION OF THE SOURCE WAS ARRESTED TO LESS ASSESSED AS A MANUFACTURE OF A STATE AND A STATE OF A STATE

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$$q_{a_1,1} = \frac{(a_1 - a_2) + b_1 C_{a_1,1}}{1 + a_2 C_{a_1,1}} + \frac{a_2 b_1 C_{a_2,1}}{1 + b_2 C_{a_1,1} + a_2 C_{a_2,2}} \qquad (3 \cdot 14)$$

to the terms are as defined for the single-relate

Sect the Callet are as defined for the single-rolate Language equation. The subsempetative term is the first

we have been a second or the section of the section

When worth objections Indistant to their model in the recent class to blood are system. The model also secures when we represent composition occurs maly when  $Q_1 \neq Q_2 = 20$  moneyas, unequal deeperation has been observed when  $Q_1 \neq Q_2 = 20$  (4):

the model is limited by the smallty of the angle-mature Lempers equation to describe Leptheum deta. Other Lanaling descriptions of the Languary development plan apply. The model does illimited the continuence of memory importation due to the betropposed pottors of the member angles.

## 1.8.4 Specialist Solvophobac Incorrection Thema-

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## 2.4.4 Lines Admirated Spington (IRS) theory

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 $C_1^{\,\,0}$  is the corresponding single solute resonance rules, and  $z_1$  as the main fraction of solute 1 in the absence phase. The therestrainty hours for this theory seems as

Describility of the specific waters were presented for all defendence, it equilibrium the chemical protection of administration of the chemical protection of the specific protection of the time of the chemical protection of the time of the time-chime equation results in the times describing institute polarization results in the times describing institute polarization results in the times and the part of the times of the chemical protection of the administration of the times of the times are the times and the times are times to the times are times ar aptrofito possesse. F. Is defined as the difference between the anterfecial tension (y) of the pure salvene-maint interface and that of the maletime-mails interface of the same homographics.

The details of the thermodynamic covalegence are found in

the single-value edemption equilibris according to

$$r_{\lambda} = \frac{30}{\Lambda} - \frac{c_{1}}{4} \cdot q_{1}^{-1} \cdot \frac{dQ_{1}^{-1}}{Q_{1}^{-1}} \eqno(2-0.0)$$

shire in A 18 the specific vertice are incrince arm per sent venden), h is the current per sentent, and 7 is shoulded temperature. Since

$$a_{1}^{0} = \epsilon(c_{1}^{0})$$
 (8-31)

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minimum of constant temperature and apprehing processry, som

Chang proposes near the admends phese form as total solution. Communing this throny much the Eab's equation for isotherwel elemption (the Charmogamento Damis) >>>ain an

$$\frac{1}{q_0^2} = \frac{1}{4} \frac{q_0^2}{q_0^{-2}}$$
(2-22)

where q<sub>a</sub> as the total arount educated from the numbers

$$k_{\pm}=1$$
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The difficulty is collecting matter-main specimes openines. In the six she mobilized collection for the depending pressure underlines [10]. For remover, is opening pressure underlines [10]. For remover, is opening pressure vision, supplemental files must be remainled under the least review from service and produced of the least remove from the least

$$= \frac{NT}{\lambda} \frac{q_1}{\sigma} \frac{d \log Q_1}{d \log q_2} d q_2 \qquad (2-24)$$

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data and the commonweal common expression

$$z^{2} = 8 \cdot (\frac{n}{2} - 1) - (4^{2} c^{2}) \frac{1}{2 (n_{+})} \cdot (\frac{n}{2} \cdot (\frac{n_{+}}{2} \cdot c^{2}_{-1} s^{2}) \frac{1}{2 (n_{+} - 1)} \cdot (1 - 14)$$

 $\mathbf{f}_{i}$  = the single scians fracedich constant,  $\mathbf{r}_{i}$  is the single satisfa Frenchish constant,  $\mathbf{r}_{i}$  =  $\mathbf{X}^{i}$  = section  $\mathbf{r}_{i}$ .

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# DISPTER 4

### 4.1 Max.2

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# 4-2 Admittation

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proposed from Aldrich (homogal (homogan, Alloundae, Nacoussas: The Le-dulphinappentophomous, Pe-Milphottol, and retriginate home revolable at By percent posty. The n-crossed and restlicted at B+ percent posty. The physical and dominal propostance of the scales and Lincoln in Table A-2, as well as this symbols observe is represent than Occopione the remealant of Like word. Heath safetymen of 50 mg/J were propriet using a respect twols, motivate of delatant worse (described base). Heath militains were stated on 17 world marked. Mediant for resolutional section of 10 worse and solution quantitation were proposed by militainty suppose of the resolution construction construction. Guitation without "A" when such confidence (live condition were proposed by inconferring stayout of most ministenant to work proposed by inconferring stayout of most ministenant to whitemass of ministenant of ministenant work based on white and the safety of the safety of the safety and the work proposed of the conferring stayout of most based on whitemass of ministenant conferring stayout or solve the work of the safety of the safety of the safety and the safety when the safety of the safety whitemass of ministenant control of the safety of the safety whitemass of ministenant control of the safety when the safety of the safety of the safety white safety of the safety of the safety white safety and the safety when the safety white white safety whit safety white safety white safety white safety white safety

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### 4.5 Single-salite Lauthern

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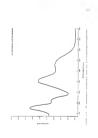
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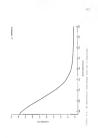
by setting an administry upper limit on remonstrations to be remained and admining for variety-the stable absorbance emformed to Set?'s for EXEMPLESS to cashed concentration emps. The concentration ranges and soviety-the said in these study are listed in Table 4-3.

A merica el info sindicifa comessa en malystan i dimensiónse mener for men electro versa propercia bettor sind men el semple antiquis. On absorbanos el melo trametro versa consistente de mel sense y supera llavar empresion energias performad co possible cha sindicio enversa poviando semple communicaciones versa concellated from anapladimensiones values. No absorbed corre representate soportioni absorbanos values. No absorbed corre representate soportioni









TREES 4-1. Herolangths and minimum resident for simple

Companyol	Wevelength (cm)	Zeage (eg/1)
e-cress!	211.0	0-10
ellyi pheset	233.0	0-40
n-terponny)	193-0	0-20
2,4-dillylresy- econophenics	227.1	0-10

shawed an  $\pi^2$  value (coefficient of seterosetics) less than 9.395. The equilibrium solute connectantions,  $0_{\mathfrak{g}^+}$  were then used to calculate unind-phase communications,  $q_{\mathfrak{g}^+}$  by course the numbers.

where  $C_0$  is the initial solute concentration and H in the mass of called. These values,  $C_0$  and  $\eta_0$  , were that used  $\tau$ 

A bull, --minimum illes refers merent species en soni SE ILI VILLIVIOUS MEREN. A soliment of the meters SOURCE Species II presented in Fance CH. The first species source of report is the configuration of proper page (25%). The combination of solimentary study only one page (25%). The combination of source of the combination of the combination of the source of the combination of the combination of the combination of the Up of the primary page (25%) and a tenselizable page-page-time many up of the primary in the combination of the c



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pump heads were used with this tubuse. Glass tubuse transminist the feed to the two of each contentum column. Tubuse life wer as maness of SOI house af operation on the chosen pump speed.

I be with glass stopoods: The supertury has for the enclose was inside the colours was a Pyrawholed glass wad. Solin other servind the number offers a their factors to glass officest mentioners. Efficient was collected to writing of concisions receipt in values of 25 de valuescry (class to 11 g. just bettler.

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followed by a metherod stame and a methylane oblivede eveny the propers for a column experiment the columns were fixed element ensurating to the stocked procedure describe

decline: A glace wool plog was washed in a looker of

selfront inverses water. Note the six biblies and base ground, the joby was instanted area the bears, which was falled with before distinct water. Due glass work joby was avoily and legisly compressed as the beaters of the legisly with power of latest tabley. If the means will are with a power of latest tabley. If the means will are well as the content of the latest tables, but force of latest water was purposed howeapt to be given to insert table. The judy was peaked loosely known to expert or insert table water tables and loosely known to extent table with realized scales.

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Pump rates wash ballianced at 16.0 g 1.0 milliliters par monote. The long plans birsts sand for the releases ellowed hand longer to commune while measurable a constant (for through the outloo had. The emptions wee used to reduce hard four if the restand less due to the partially spen values given play, and carbon threatment to overlaw his learns.

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After the first select peopled equilibrium, a new fand exhibiton was proposed containing both addition in the polacied communication error from for first was intificed and nample exhibition became investigately. Since the weeker had depth was as short; description of the IIIN's sales hauge almost Lameschung. Consequently, may amplied were obleved in the first few basis of the raw. The manapromoterar were send for efficient collection, volume nearcrement, and ample attorps as for the associations softener empressent. The raw continued out; including and offices, while were visited the opposite are server of the employee.

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## CHAPTER II

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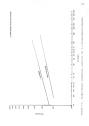
Angle-solve equilibrium status in both passing white OddOcted for all four solves as discount excipt. Whe data are presented in theirs Al-DA, Appendix A Too steple-solves collibrar models. The Presenting and the Limpton reportuna, impactors jed, and jedj very litt to this defin script the limit appares smilled in a limite response, manalyses. The equivalently description operations for the smoother and the conflictability of fortunations are presented in India 1-1. We reposited model was forestable that for all four solution and note comion partials eleme. We limited as the present the replicing self-in a fright to the former and present the replication of the friends protined the conflict of the friends from properties.

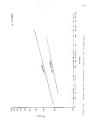
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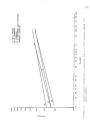
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DOLLED sends	32	2000	107	0.941	0.624	0.243	0.00













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Compound	Blab	Girty	Standard deviation
	6/5	MA/L	19752
0-044 to 2 (00)	31.00	199.7	1.25
allyl phenel (MAP)	4-227	47.2	1 553
1.4-Ellyfring- mortophenome [EAF]	2.291	35.1	0.114
e-terguneoù (ATI	2.311	25.5	9.934

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conditions that then conjunct on represe leading factor. Data carbon locking is expressed to term of initial accord consolirations as silapsess of states per solirons assiss. Projectory and/or indicated that opposed leadings goater that 2 y, is grantly, resulted in the names of MILLIANT AMERICAN THE R TOPIS STATEMENT OF MILLIANT AMERICANS AND A TOPIS OF STREET AMERICANS AND A TOPIS OF STREET AMERICANS AND A TOPIS OF STREET AMERICANS AND A TOPIS OF A TOPIS OF A TOPIC AMERICANS AND A TOPIS OF A T

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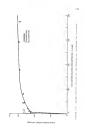
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feperiment.		ALP		e
	Cognico	3/4 (19/6)	T <sub>e</sub> (eg/G)	30% Leg/pi
	1.5	110	1.1	29
2	13.0	63	1.03	146
3	97:0	224	5.1	
	14.3	245	25.5	51

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No. 1-19. In this Molecular agrees are suimagened as the adoption states. The desiration has a high excellent place and approach states. The desiration has a high excellent selection of the ADI sele

TABLE 5-5. Exemplaneous addition equalibries data for ALE/SAF solute pair-

Deservens		D.	0.0	0
	C <sub>0</sub> (mg/kr)	8/8 (mg/g)	C <sub>0</sub>	3/H (H)/S
	1.1	45	9.7	145
	10.1	35	14-3	213
3	91.0	147	9.1	54
4	180.5	133	11.1	114

as adenymous sit all four maintain. The conditation at grants lyginglandity, hapken as imagener, teats, and irraneoushits despretion would allust this to outcompare that likes the showardprime mechanism for table and all era you looms, it is difficult to seems this effect of type and deskiny of market meritain group that may be specific or particulated in the and all.

OUTSET SELECT PROF.

	(mg/5)	(mg/g1	(mg/52)	(mg/q)
	18/3	33	1.1	
2	5.4	4	56-8	229
	202.0	143	18-1	335
	105.3	53	74.5	24

The skews results confirm the betweenoous cotture of districted outson vita sequen in advergions after end the physicontenical seture of the militar. These offsets, such as Enqual computation, are non-sweded to empartum multimakers equilibrium models.

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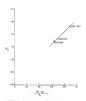
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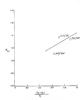
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where S is solubility and  $E_2>E_2$ . This allows for the distances between equal  $(E_2\circ E_2)$  volume when  $E_2$  and  $E_2$  may differ.

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A/m-charmed -predicted	19 11	25.6	47 15	
C <sub>0</sub>	97.6	9.9	33.2	
2/8-chaerred -producted	212	1.5	34	
E <sub>0</sub>	31.3	10.4	2.1	
E/H-shanived -producted	144	22	172	
5,	2.4	18-2	10.0	10.0
1/8-sbacret -preferred	165	73	195	11
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- The collines windowd in this receive above diqualesest irrevocability is single-solute systems, medicated the impairment of

chemicophism vi specific viv-s se se reservantes in curbon elegiption.

4 Deepust companishes for advantages extenses on equilibrial feature as the advantages of the entere used as this research. Occased multi-makes equalibrium models dub not accessfully describe the approximancal data.

Tresunshility in the biscone experience was experience and a non-incident in existing description or preferrer expellation models.

1. In purpose women of the insplication that contains the control of containing and instruction of insplication in the control of containing and insplication to the description. The control of various was experience to a control of various was appeared to their determination models of control of the control

## CONTENT

As the intermedial of the admirphis present (see loss of the comment of the admirated of the present of the admirated of the admira

Models attempts to applicate that design process of scansons need installed to the scores of such dynamic models to the department perform of that model. Current softwares resultation software that to adopt a competition and empirities related that to adopt an empiricate and Professials consistent news. Them models all beaut on the exemptions of equal competition and complete researchility. Improved endorsteading of these phenomias did lend to improvements in the walki-relate equilibrium

The response, Significal DM most has no potential and applications of progress execting department of the test of residently determined the second control of the constitution of a versu picture make the applications of the most previous. However, the solid work has modelined for explication to mainti-makes appears agreed the model of the modeline o



O-serves)	1 44	Allyl	Allyl persol	7,4-455	Lityliney-
	2	×	2	e	2
6360	11.4	336.1	33.4	358.5	0.0
14.3	6.3	311.4	318 6	2007/3	13.7
	3.4	330.1	9.4	244.5	13.7
	5	2197.5	3.3	215.4	8.3
		233.5	2.7	242.3	4.4
170	9.8	2117.1	5.6	244.9	
	0.5	236.4	2.7	2113 3	-
5.6		285.1		2118.3	2,7
				942.4	:

The same areas areas areas

\* 1 below limit of detection.

\*\* . Reportment terracerted before reaching Low

53.4 0 83.47 0 52 32.4 241 281.0 0 0.4531 0 0.9 42.1 221 281.6 0 0.4533 0 0.9 4 30.2 221 281.6 0 0.5031 0.14 27.1 27.1 281.6 0.5031 0.14 27.1 27.1

5,	CHIPOR BASE	Entres leading	c,	3,00
(49,75)	(93	(my/mg)	Ing/all	84979
227.6	0.0452	0.24	1.1	242
			44.0	
207.0				
203/9				
207.9	1.15.00	2.17	167:2	377
100.0	0.0500	9-31	8.5	215
	7.0405	7.20	2.5	
	1.1399			
	9,1137	9.41	23.5	33.7
	9.1209			
	9.9202	2.12	33.4	330
	9-9351			
183.0	0.0181	1 22		311
	2.2500	1.04	51.5	411







	041304 3111	Carried Townson		1/1
Ing/Li	(9)	Ong/eg I	149/5.1	019/92
	0.0401	1,25	6.5	237
163.6				
				276 276
143.€	9.1109	1.13	47.7	417
	2 2222	0.20	1.4	256
				269

9	Centron mean	Gerben Londong	c,	3,73
149/11	160	(mg/mg)	(mp/5.)	049/90
44.4	1,0242	3,23	2.7	283
			111	
			33	
45.4	0.0185	0.21	5.1	
14.0	0.9413	0.23	6.1	225
11.0	0.0114			
14.6				
29.0	0.0114			
24.0		0:53		
76.0		6.47		
16.0	0.0070	3,37		
14.1	8,0635	2574	13:0	224
152-5	010047	0.35	27.6	193
	0.0462	1 42	54.7	
	E   0441	9 - 42		
		9.12	71-4	345
	0.1344	0.94		
137.3	9:6533	9,62		
	9 8252	2.31	225.0	297

S	CKISSE NAME	Carbon Seeding	- 4	30/91

17.4 17.4 17.4 17.4 17.4	0.06 E 0.0418 0.0923 0.0925 0.0925	0,17 0,26 0,26 0,26 0,25	0.1 0.1 0.2 0.3 1.4	145 139 139 139 240
209,5 209,5 209,5 209,5 209,5 209,5 209,5 209,5	0.1802 0.2000 0.0000 0.0000 0.6043 0.6000 0.6000 0.0748	6.21 6.21 6.21 6.22 6.93 6.93 6.93 8.26 9.26	0.1 0.4 0.4 0.5 0.5 1.3 1.9 2.1	285 285 281 221 232 245 250 271

		1:25			
				275	
			2.5		
				310	
		0.35			
				328	
				374 376	
				223	
205,5					
207.5	0.0354				
209.5	0,0299				
205 5					

hepCal	109,093 8.22 9.28 9.29 9.29 9.29 9.49 9.40 9.40 9.40 9.41 0.21 0.21 0.22 0.22	0eg/1.1 0eg/g 20.1 204 21.6 21 20.6 21 20.6 21 20.6 21 20.7 20 20.7
134.5	9.24 9.29 9.29 9.29 9.29 9.49 9.40 9.40 9.40 9.40 9.41 0.20 0.21 0.21	20.6 217 21.6 16.6 20.0 217 33.4 20.0 21.5 20.0 21.5 20.0 21.6 20.0 21.0 20.0 21.6 20.
144.5 1 10000 154.5 1 10001 154.5 9 10001 154.5 9 1000 155.5 9 1000 15	8.28 8.29 8.29 8.29 8.40 8.40 8.57 0.20 0.21 0.21	21.6 Hid 10.5 21.7 33.4 231 72.5 244 93.8 233 116.3 253 116.5 246 117. 270 118. 270 118
194.5 1 16001 194.5 2 2 2700 194.5 3 1493 194.5 3 1493 194.5 3 1493 194.5 3 1493 194.5 3 1493 194.5 3 1503 194.5 3 1503 194.5 3 1503 195.5 3 1503	8 94 8 29 9 29 9 49 9 49 9 40 9 40 9 57 0 10 0 20 0 21 0 22 0 22	200 211 301 221 301 22
194.5 0.000 194.5 0.1459 194.5 0.1459 194.5 0.1459 194.5 0.1509 194.5 0.1509 194.5 0.1509 194.5 0.1509 194.5 0.1509 194.5 0.1509 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504 195.5 0.1504	8.20 9.29 9.49 9.60 9.60 9.57 0.20 0.21 0.21 0.22	33.4 331 F2.5 344 F3.8 233 116.3 245 116.5 245 118.5 270 139.4 270 2.6 140 4.0 148 4.0 148
144.5 0.1469 134.5 0.1469 134.5 0.1469 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 134.5 0.1509 135.5 0.1509 135.5 0.1509 135.5 0.1509 135.5 0.1509 135.5 0.1509 135.5 0.1509	9,29 9,49 9,63 9,63 9,63 0,21 0,20 0,21 0,21 0,22	92.5 844 92.8 25 116.5 26 116.5 26 116.5 26 116.5 27 2.6 27 2.6 27 2.6 10 4.5 10 4.5 10
194,5 0,2600 114,8 0,1000 114,8 0,1000 114,8 0,1000 114,0	9.49 9.40 9.40 9.40 9.57 0.20 0.21 0.21 0.22	91,6 313 116.5 315 116.5 316 111.5 316
194.5 9.2009 194.5 9.1009 194.5 9.4009 194.5 9.4009 49.5 9.202 49.5 9.202 49.5 9.202 49.5 9.202 49.5 9.202 49.5 9.202 49.5 9.202 49.5 9.202 49.5 0.202 49.	9.65 9.45 9.87 2.19 0.20 0.21 0.21 0.22	116.5 253 116.1 266 118.1 273 138.4 273 1.6 170 1.6 170 1.6 170 1.6 170
114 8 8.500 114.5 0.202 114.5 0.202 144.5 0.202 145.5 0.202	8,62 8,87 2,10 0,21 0,21 0,21 0,22	116.5 346 111.0 200 139.0 270 1.6 140 1.6 140 1.6 140
196.5 0.000 114.5	8,63 9,57 2,19 0,20 0,21 0,21 0,22	111.0 200 139.4 270 1.6 170 1.6 100 1.6 100
134.5 9.8259 45.5 9.8266 45.5 9.8266 45.5 9.8261 45.5 9.8241 45.5 9.8223 45.5 9.8223 45.5 9.8223 45.5 9.8223 45.5 9.8224 45.5 9.8224 45.5 9.8224 45.5 9.8224 45.5 9.8224 45.5 9.8224 45.5 9.8226 45.5 0.8226 45.5 0.8226	0.10 0.20 0.21 0.21 0.21	136.4 276 1.6 177 1.6 160 4.3 160 8.4 162
49.5 9.8266 49.5 9.8211 49.5 9.8212 49.5 9.8212 49.5 9.8212 49.5 9.8212 49.5 9.8214 49.5	0.10 0.20 0.21 0.21 0.22	3.6 170 3.6 180 4.3 188 8.8 193
69.5 9 829.1 61.5 9.29.2 69.5 9.22.2 69.5 9.22.2 69.5 9.22.4 69.5	0.20 0.21 0.21 0.22	13 140 6.3 140 6.4 140
#1.5 0.8241 #9.0 9.8222 #9.3 9.8223 #0.5 0.8248 #9.5 0.8248 #9.5 0.8248 #9.5 0.8260 100.0 0.2439	0.21 0.21 0.22	1.0 100 1.0 100
49-5 9,8222 49-3 9,8223 49-5 9,8224 49-5 9,8224 49-1 9,8224 49-1 0,8236 49-1 0,8236 100-0 0,2829 100-0 0,2427	0.21	1.0 100 1.0 100
69.3 9.8223 69.5 9.8224 69.5 9.8224 69.5 9.8224 69.5 9.8224 89.5 0.8296 100.0 0.2629 100.0 0.2629	0.22	
#0.5 0.8214 #0.5 0.8214 #0.1 0.8296 #0.1 0.8296 100.0 0.8296 100.0 0.8447		
69.5 0.8214 69.5 0.8296 89.5 0.8296 100.0 0.8889 100.0 0.9447		
#9.5 0.8296 #9.5 0.8296 100.0 0.2839 100.0 0.2447		
10.0 0.330 10.0 0.330 10.0 0.340	0.23	1.1 200
101 100	0-23	
100.0 0.0447	0.24	7.9 202
		5.5 186
100.0 0.044T		
100,8 0,0372		
0.0111	0.33	29.7 276
0.00.0 0.0254		
04.6 0.0300 04.4 0.0333	0.44	47.6 253
106.0 6.0122		
106.0 0.0333	0.83	

$C_{\rm g}$	Custom sons	Carbon Instant	· · ·	30/96
(ep/5.)	(8)	(mg/mg)	048/57	Deg/g
283 0 283.0 223.0 233.0	0.9363 0.9450 0.2356 0.8359	0.20 0.26 0.26 0.26	3.5	202 245 245 245 245
211.0 221.0 221.0 222.0 221.0 221.0 201.0	0 - 1480 0 - 1990 0 - 19	0 22 0 22 0 23 0 24 0 24 0 27 0 27 0 27 0 27 0 27 0 27 0 27 0 27	1.2 2.2 3.1 6.4 6.2 6.2 6.2 13.5 28.2 28.2 28.2 28.2 28.3 28.3 51.8 50.5 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0	204 214 223 263 263 265 265 271 300 327 360 342 371 360 360 371 371 371 371
529.9 818.0 829.0 529.0	9,0400 9 E100 9.8543 9.8380	0,87 1-84 1-83 1-84	248.0 396.3 283.0 201.0	452 423 424 680

Stople :	D090entalation	News	Standaro occiditati
	(9/%)	19753	09/3.1
21	6,296		
	6:327		
	4.359	6.327	0.002
	4.245	6,286	0.034
	6-374		
111 1		6.326	0.045
	6 222		
	5.452	6.411	0.000
17	6-105		
	6.343	6,364	1.126
13	6.350		
	4,327		
A11 B		0.271	2-835
03	1.213	6.246	
00	6.321		
00	6 323	6,327	
	61227		
	6 259		
all margies	4:337	6.337	0.012

Вонріїв	Consentration	Sean	Stendard deviation
	(9/6)	(9%)	(9/6)
A STANFOLD OF STAN	21. 6 22.0 21.1 21.7 21.7	21.4	8-25
2, 4-30,0 8 6 0 1	1,303 2,155 2,365 2,314 2,314	2.294	0.714
n-tarpanaci h-1	2,264 2,252 2,263	2,314	0.001
A-2	2-381 2-212 2-273	2,363	0.010
A-3	2-123 2-155 2-167	2,460 2,377	0-014 0-027
8 0 0	2:422 2:424 7:451 1:483		
All Begins		3.553	1.134

SEQUENTIAL AND SEPTEMBER S.
SOUTHER O-CHESTON STATE MEGITION DATE
FOR THE O-CHESTON STATE MEGIT MALENCE PAIR

THE bil Second of solide addition data, o-areas Salidard by allyl pareal.

Tubb	Mfflansi compensas	Speciality of all o	Aven Jases of to your statement	
Oct	Ample value	Composite numple	drab ampli	
1.0	6.25	6.5	6.5	
13-3	6.33	0.3	1.0	
22.5	1.17	9.2	5-2	
29.6	2:53	7.4		
11.0	5.67	9-7		
11.22	9,14	3.7	3.3	
	2:47	141	10.1	

Ef B-E Sequential solute addition data, precest followed by allel phenol. Free Concentrations. 10.2 mg/L [eversact] 10.2 mg/L (elly) phenol.]

	10.2 Mg/L (4	GigT phene()	/L Inversability
	femple volume	Congress	ASSES CHARGO
527	(2)	o-armed.	allyl phone
0.02	6,633	10.1	1.5
0.14	0.090		
0.27			
0.12			
0.34			
1.41			
		22-2	
2-69			
1.74			
1.00			
146			
			1.1
1.77			
			5,6
1.76			
		12.1	
			1.1
		11.8	1.5
			2.7
			10.7
		10.7	10.7

26++	Emple values Consequenties (mg/L)		Antes (rep/id
	Chi	0-614/05	aliyi ghwoo
12.5	0.858	11-2	32.0
	0.855	13.2	
1.14	0.038		71.0
1.37	0.031	13.0 13.7 13.6	74.7
1.23			
1.40	0.058	11.2	77.5
1.45	0.011		
1:34	0.053	11.0	14.3
1:22		10.0	
1.67	0.000	10.0	87.5 87.0
1.75		25.6	
		20.0	17.0
		28-4	
	6.050	27.4	11.0
			85.0
		39.5	12.1
	6-110		
		39.3	
			65,8

Time	Mosple value	Consentention, orcress.
8-31	0.100	1
9-22	0.100	2.1
0.41		
	0.144	11.4
2:55	0.123	33.4
	0-149	
		11.7
		54.5
2:01	0.250	
2-33	8,330	281.0
2.51	0.310	190.0
5.10	E-250	
2,44	0,350	900.0 101.0
5.70	2,600	
5.02	1,110	101/0
		102.0

Tame .	famile values	Constant	MALES DESCRIPTION
0507	Leader Assess	9-079466	aligi phe
3036	0.011	185.0	1.5
			2.7
		180.0	
1.13		330.0	612
		200.0	
1.79			
2.33			
			7.4
2.41			
	1,250		
3 52			

		Concests	SELES CHECK!
Onel	(4)	o-creek	allyk phele
13	1.035 1.050 1.000 6.000 0.000	181.0 187.5 182.0 182.0	5.1 1.2 1.4 5.3

TABLE 3-4. Enganetial solute addition catal critical followed by slips phonon: Feed communication: 2010 mg/L (processed) 96.4 mg/L (cl)p percel:

24es	Samula values	Congress	STARR CHUCK!
Ort	(h)	o-cressl.	ally1 pheno
1.11	3.158	205.0	12:2
	0.350		
		207,0	
			11.5
0.70	0.012		
0183	0.000		
	0-959		
1:03	0.110	104,0	90.5
	0.180		
	6-125		
1.54	0.182	100.8	
1.48	0.180	102.9	
1.75	0.180	102.0	92.0
2.99	1,180		
3.00	8,180		
3.55	8.550	182.9	
1.55	1.110		
1.00			

Thick N=7: Sequential solute addition dept. ellyl phonol followed by overeasl; Fred consectivition 18.6 mg/L (align phonel)

Dise DM1	efficant composite emple values (b)	of sligt phen (en/L)
0.09	0,310	6.1
0.33	8 330	
0.32	8,330 8,330	0.2
		13
		13
		1.1
h-81	8,500 8,500 8,500 8,508 8,508	
		1.4
1.23		
3 35	0.140	
168	0 160	
	0.100	9.5
L-15	0.293 9.250	
	V, 250 V, 250	9.7
	1.950	1.0
		1.2
		1.0 7.4 7.5
4.54		
5.94	8.200	
10.01		
12.50	0.818	1.2
11. 67	0.998 0.998	
	7.200	1.1
		11.1

TABLE 8-8 Dequestial select addition data, aligh pheno followed by 0-greats. Peed concentrations: 8-8 mg/L (aligh pheno) 19-1 mg/L (moneyal)

Time	FIRST William	C092826.694.1	en frechi
	(L)	willyl phenol	0-00000
2.24	0.202	2,1	2.1
8.50	0,011		
9.55	0.022	14.4	
0.21	0.000		5.4
0.32	0.000	18.8	
0.27	0.000	18.0	
0.47			
0.48	6.650 6.600		
0.53	0.600	38.9 11.0 30.5 11.0 20.9	
	F-650		
0.64	1,610		
0.72		10.7	7.0 7.2 7.5 7.6 7.9 8.1
	8,850		
0.75	8,300		8.1
		11.0	1.2
	0.101		
		11.3	1.1
1,00 1,13 1,23 1,41 1,52	0.108	11.1	
		10.9	
		13:0	
	0,150		
2.29			
5.01		38.6	
4.11	2,600		
	0,000		
	3,600	39.8	
3-11 6-11	1.610		9.1 9.2 9.5 9.6 9.8 9.9 9.9 9.9
6.33	3:090		
5.62	9.113	2:2	10.0

97 6 mg/L (o-creasi)

	F-150		
6.57			12:-9 13:-0
6.74			
			95-5 93-5
1 62			
		14.7	
		33.4	
	0.144		

Time	Samula velous		es. len/h)	
	(1)	stays pheses.	6-19-10-0	
8:43	0.606			
1-41	0.014		1.1	
1 34	0.118		0.1 0.2 0.2 0.3 0.3 0.3 0.3 0.3 0.3	
8-52	0.018	:		
2.84	0.011			
2,75	0.019			
2.50	0.000			
0.11	0.180 0.182			
1.17	8.110 8.110	6.4		
	6-130			
1.04				
		6.1		
	6.300 6.300			
1166				
	1-350 1-350 1-350			
2:15				
	9-250			
2.41			11	
2.24		6.5 6.7 3.0 3.3 2.2 3.7 4.5		
1.00	1,000			
4,00 1,00	1,801			
	0.813	3.4		
1.12		7.8	16.5	
	5.241			
			11.3	

Pend conventrations: 17.7 mg/L (alig1 plane) 192 mg/L (conpress)

their	100	sliyi peccai	0-03600
1.15	1,650		0.4
	8,650 8,650 8,650		11
1 24 1 22 1 27 1 27			
100	0,650		14.4
	8.300	6.1 6.2 6.3 6.3 6.3 6.3 6.3	97,0 74.5 88.0
1,63 2,14 1,14 1,31 1,59	1 100 1 150 1 150 1 150	1.5	22.0
		3.3	
1.40			2341.0
	1,600		
			333.0
5-15	9,625		
	1,000 8,605		
6.2T			
7,16	1,000 9,036 9,035	7.2 7.5 6.5 8.5 9.2 9.4 9.8 3.6	212.0

SMS6 8-14-

Fred Consentrations: ST 0 mg/L [allyl phemol S 1 mg/L (everyon);

Time	Sanda volume	CHORPSUSSION, (Hg/S2)	
1932		ally's phesol	0-0000
0.04	0.858	1.4	2.2
0.00	0.228	1.1	2.3
	0.954		
0.28	0.254	1.4	2.3
0.18			
0-35	0.958		
5.41	0.010		
	0.018	2.4	
5-66	0.162	5.3	
5.97	0.161	12.1	
	0.160	16.7	6.2 6.2
1.66	0.160	22.5	
	0.100	54-2	
			22.1
	6:025		

7190 (No.)	moste value	C000005.DX.Ua	a tradii
	(h)	sligh phenal	0-074103
8.00	8,990		
	8.650	0.1	2.4
1 21	1,650	2.1	2.0
	8,850	2, 3	13.4
			24.5
		1.1	
0.80			
0.92	0.004	12.1	122.5
1.22		25.5	
3.54	0.258	77.9	
1.51	0.214	84.5	100.0
	1,000	12.4	12.1
			21.2
		25.1	

APPENDIX C EQUINVIAL AND EDUCAMENTAL SOLUTE ASSITTED DATA FOR 1,4-01899000ACE9998800E COAPL/MAISS PROMO-

73.74	PERSONAL COMPOSITOR		46.769.90	127,000 TAR 1
Ohel	(C)	Composite	киврон	cush ampte
1:00	1,000			0.5
		0.1		9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5
	1,000	2.5 2.4 3.6		
6:46 7:58 8:61	1,000			
9.71	1.000	6-4 7:4		
14.15	1-009			
11.00	7 442	1.1		1-3 1-1 1-2

Segmental AME of AME tame date, 2; displanaments among (EAS) (milered by ally) phoned Fact determination ( 0.5 mg/L (EAS), 6.5 mg/L (Ally) phoned)

Time	Sumple Volume	_Selection	calculated the sector
lier I		19.7	silyi peenus
2.24 9.72 8.28 8.42 8.52 8.52 8.52 8.52 8.52 8.52 8.52 8.5	3,450 2,000 2,000 3,000 4,000 6,000 6,000 6,000 6,000 6,000 1,000 6,000 1,000 6,000 1,	9,5 10-41 11-11 12,1 13,0 13,0 13,0 13,0 13,0 13,0 13,0 13	0.2 2.19 2.14 2.15 5.0 5.0 5.0 6.2 7.7 8.1 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2

## displacepear on histor (TAF) collect be allyl phenal

#1393 phono: Feed seconstruction | 95.5 mg/5 (2AP) #EMPOR VALUE | COMMUNICATION

TRAILS C. 4

Thee	Aragie volume	Conservation of SM (mg/s)
0.01	0.000	0.6
0.18	0.050	
0 14	0.000	0.3
0.31		0.5
	0,180	1.0
0.43	0.100	
		4.5 5.0
	0.110	1410
3-04	0.110	
2-11	6-150	
		65,6
2.28	1,350	
2 83	0.242	22.0
2.20	8.850	92.5
	9.351	
	1 656	33.3
		89.9
9.53	1,000	16.6
		19.1
	L 000	10.1
		25.2

Ori	110
9.25 9.20 9.25 9.23	1.650 1.650 1.650 1.650

VOCUME	CHROPELIN		
10	1937		
150 150 150 150 150 150	393 0 393.0 103.0 103.0 103.0 103.0		

9.9	

PARTS (-4. Sequential units abbition data, 2,4displosgram-tephenone (BAP) followed b allyl phonel, yest touchastanion, 32 t mg/L (BAP),

Sine	desplo value	CORCHETE	White of the south
(kir)	(1.1	047	ally: phenoi
0 00 0 18 0 18 0 18 0 26 0 26 0 26 0 26 0 26 0 26 0 26 0 2	2. 558 0. 558 0. 558 0. 528 0. 528 0. 528 0. 528 0. 528 0. 528 0. 528 0. 180 0.	104.0 114.0 112.0 112.0 100.1 100.1 100.1 100.1 100.6 100.6 100.6 100.8	41.7 38.5 63.6 85.8 35.8 35.8 35.8 37.8 31.5 81.5
5.52	7,600 2,600	53,0 53,0 53,5	93.0 93.0 94.0

18313 (-3)	Sequential salate addition data, allyl granul followed by 2.5-subofreeywareneshmone.
	First communication 10-0 mp/D (ally) phonon:

9942	Milloust composits	SCHOOL STREET, OF ALL	A phone Line Co.
[by]	(10)	Composite masple	TIME EMPLOY
	2,000	6-1	14
	1.000	0.6 2.8	1.9
	2.000	214	111
	4,332	110	111

24 45 0.100 9 6 9 7

"MRG P": Deconstal action addrawe data, ally phased fallowes by 2,1 displacement operation (54); "
1,1 ag/2: [EAP]

1,1 ag/2: [EAP]

Dict	12.1	aligh phenal	547
1.00	6,690	10-1	1.2
1.35	6.390	10.5	8.3
5.46	1,180	11.0	13
2:34	0.300		
	6.330		
		13.0	
			13
			8.7 1.4 1.6 2.2 3.3
1 21			
2.51			8.2
5-61			- 23

	Concentration, Ing/All
111	elly! phonel pr

5-16 6-59 14-4 11-3 5-16 16-50 17-4 35-1-3 5-16 16-50 17-4 55-1-3 5-16 16-50 17-2 45-5 6-22 17-50 17-2 45-5 6-24 17-50 17-2 72-5 6-24 17-50 14-7 72-3 6-24 17-50 14-7 72-

tire	Hillsest composite	Concentration of
(Ne)	100	11971
1.17	1-250	7.4
2.42	9,100	21.0
	9,164	
1.13		
1122	0.104	9774
1.03	0.100	
101 1M	0.144	16.1
1.64	0.182	11.1
		35.3
1.84		
1.45	2.000	54.5
1.43		
4.75	1.000	51.5
1.77	3,690	97.0
		11.0

12/16	Mffinest composits (Demostration ins/5)		(88/50)
Diri	100	allyi phenel	5.82
0.95	9.050	204.0	24.7
	9,650	114.6	100
0.33	0.110		
0.10	9,850	111.0	
	0.250	59450	76-1
	9,500		
1.03	0,000	203.3	20.1
1.10	1.900	283-5	
2:16	0.050	99.0 200.0	11.1
3-24	0.150	100.5	

73.84	\$46936 rodume	Discountration	(2)(99)
(98)		allyl phenol	3.67
11.04	0.19	0.1 0.2	0.1
		0.3	
1.35	0.858	0.9	4.1
1,41			
		11. 8 11. 7 21. 1 21. 0 31. 8	
1.12	0.855		
	0.100		13.1
100	0.140	6.1	34.4
14.74	0.255	10.8	
			66.0
14	0.292		
2,28			
	0.108	10.7	
2.70	0.012	10.5	
	0.561	10.4	
2,28	0.010	10.3	
	2,009	10.3	
	0.059		91 0
2.11	1,000	16,2	
5,69	5-959	10.1	

 Symplesons selpts addition data, all): simulated 2.4-displicappasetophenose (Ear), Pend sememotrations: 31 8 mg/s (All): phone:), 5.1 mg/h (DA)

Time Stople value		Generalization, Ins/Ai	
(hr)	16.1	sligi phenul	546
0.05	8.050	0.1	- 6
			- 1
		1.2	13
6.33	0.550		- 13
5.43	0.834	6.5	- 1
2.4.0	0.356		
8-24	9 508	14-3	1.5
6.45	0.008	24.3	
	0.004	35.4	
1.02	0.108	43.9	
1,00		55.5	
	0.258	67.0 77.0	
- 02	0.251	17.4	
2.06	0.201	12.6	
7.55		10.5	
		12.6	
		12.0	613
		13.0	4.5
			7.0
		22.1	1.3
			6.5

## ...

Tier	fample majors	Onecolitation	Jap/M.
Oil	(5.1	allyl phresi	640
1.11	0.334	1.2	1.0
0.23	9 300	1 A 8 7	
1.24		16.7	12.
1 44 1-55 1-66	8.200 8.200 8.204 8.200 8.200	47.5	24.1
		22.2	41.7
5:77		10.1	14.0
		26.3	113
3-36	0,100 1,100		42.5
1:15			
	0.430	100 8	

Time. Divi	Scople volume (5)	Canonitration of a-communication
2.33	2-882	
1.33	1,013	0.4
		4.2 7.1 7.1 9.1 8.7
E 41 E 41 F 30	1.049	
	1.000	
7.33	5.000	
3.77	2.000	
		2-9
24.87		
24,97	8.050	
35.79	11.410	10.1

0.250	11.0	1.6
		4.1 4.1 4.1 4.1

ted opcolinging 1 5 egr. to-aread), by 3 egr. 1209

Fane	Sample roluna	toprestrution (mp/t)	
0667	(3.)	0.666803	847
.023	0.025		
-25	8.050		
- 31			
-31		11.0	
7.47	0.100		
1.57	0,320		
		18.7	
			12.5
	6.300 6.300 1.300		
		10.6	17.0 15.0
. 97	1.500	10-6	
1-57	3.650	10.0	
1.13	9,500	11-3	84-5
		16.3	
7.25	1.600	10 3	12.4
25	9.570	31.2	
	3-890		92.0
1.53	9,850	11.1	
1.66	2.451		32.0
50		39.4	92:2
-34	2,950	39.1	
-34		9.9	55.0
	1.004	2.3	14.0
G63	0.858	1:1	
.72			12-5
126	0.958	1.1	11.3
	0.858	1.1	14.0

Dir.	Supple volume (22)	Concentration of S-coaco		
6.33	0.104	1/1		
0.11	0,100	113		
0.42	0.108	.51		
	0.144	15-4 27.8		
0.62	0,104	12.1		
		77.0 63.0		
		17.0		
1 27 1 37 1 47 1 18	0.164	27.0		
	0.100	14.0		
2.61	0:234	12.2		
	2,011			

First management 102,5 mg/L (orogens)), 5,7 mg/L (MAP)

(hr)	161	0-271104	199
8.65	0,050	389.9	0.1
			2:1
			2.7 2.5 2.7
			1.0
			3-7
	0.951		

Time	Zangco volume	Connectration Inp/El	
(hr.)	11.0	descend.	987
0.023	0.833	205.5	19.7
0.010	9,925	215-5	12.6
1.15	9,850		39-5
			15.0
9.7	0 150		
-47			
.92	1 942		11.1
2.92			
2.45	3.049	100.5	

2-13	2 000	
	2.000	
5-33	1,000 6,000	
6.40		
	2,000	
7 48 7 48 8 54 9 55 7 65 7 65	5,000	
	1,000	
	1,600	
	0.000	
12.61	3.660	
	6,650	
		2.2 2.3 3.2 4.7 3.8 6.8 7.0 7.0 8.9

Sequential solute solition data, 2,4-dybyd scetapheness followed by 0-tracol Feed concentration 1,7 me/5 (EAF)

2130	Enspire volume	CONFESSIONARY TRAVA	
(he)	(53)	09.7	0-00460
20.0	E 050	18.0	1.1
		15.4	1.1
			5.6
1.26	8-190 8-190	11.0	5.4
1.11	8,110	11.2	2.3
	8.300	11.2	1.5
1.43			
			3.2
			1.5
	1.000	33.5	
			5575
			55.1

-

Tues.	Essple velano	description (mg/L)	
000	(1)	100	orerest
5.00	0.201	12.5	43.1
0:33	0.051	14-0	
1:35	0.454		11.5
6.41	0.141		
	0.160	17.7	11.1
			35.8
	0.144	11-1	15.5
572	2.000		
5.79	4.050	1819	142.9
7.82	2 000	10.1	
7.92	0.050	3.612	183 2
1.56	2,000 5,000	16.0	111.1

1500 1500	Sample volume (E)	Concentration of the
0.04	0.281	
		8,2 8,3 9,7 1,6 3,8 7,7 13,6
	0.168 0.168 0.168	
1.47		
6.48	0.189	
	0.140	
6.11 1.01 1.21 1.21		4111 61.8
	0.169	
1.42	0.112	
	0.109 0.117 0.109	
1,74		
1.13	1.000	13.5
3.45	6.090	53.6
5125	3,000	
5.25	1.000	13.1
5.25	6.059	
	1.625	11.1
4.31		

Securatial seleta soluti	on data. 2.4-dahedesaye-

(he)	E2.7	207	store leg/ki
9,692 9,104 9,15 9,15 9,20 9,21 0,20 9,21 0,60 0,51 1,75 1,75 1,75 2,33	0.625 0.635 0.650 0.650 0.650 0.650 0.650 0.250 0.250 0.250 0.250 0.250 0.250 0.250 0.250 0.250	182.5 187.0 184.0 124.5 125.5 124.5 233.5 232.0 232.0 232.0 38.2 97.6 97.6	46,3 74,3 82,6 87,8 73,6 74,5 14,5 14,5 14,5 14,5 160,5 160,5 160,5

Executaneous anjute addition data, e-cress! and 2.4-dibeltoxystotophenous. Feel commondatations: 32.2 mg/L (e-cress), 5.5 mg/L (0027)

2000	Sungge volume	Concentration (ea/L)		
he I	114	o-creat.	584	
2.62	1,400			
		111		
3.22	5.410			
	0.930	39.7		
.35				
	0.906	22.5		
1.12				
5.41	0.500	33.4		
6,85	0.508	23.1	1.4	
1.60				
1.40	0,500	22.7		
2.25	0,100		3.4	
	0.100	12.5		
7,16 8,27	1,000	12.4	- 0	
1.27	0.000			
	2.043			
	0.000	10.5		

t-venue (mg/L)

1100. 110

remail lock. Survicements privite addition table overcome and fit-dilectrosymmetry become.

(20)	Sample velome	Canderstration, Sep/51		
41)	144	overwed.	043	
1.32	0.100 0.200 0.200 0.200 0.200 0.200			
31		0.8 1.5 5.0 1.1		
1.11				
142				
1.57				
		21.4		
-45	0.104			
-31	0.294	220.3		
5.5	0.218	395.0		
110	0.238	204.5		
	0.939	104.5		
12 12 13 13 14 14 14				
	1,000 0,018			
	2:100			
	0.000 2.000 0.000	102.5		
-12	0.011	101.0		
		10110		

Post 2 (198) 00 15 0 mg/5 (0 cresos)

Ties	Ample veters	Cessessivion (eg/)/		
Date	(6)	o-seenal	00.9	
0.11	1.101			
			1/3	
0.24				
1.42				
1.77		213-0	79.5	
2.54		196.0		



Bir b-: Symilteneous solute addition data, 1,4-daydramy-metapheneous, o-eranal, and aligh phenal. Pend Compositivations: 8.4 mg/L (209), 20,1 mg/L

line	Sumple volume	_	DESCRIPTION OF THE PARTY NAMED IN	Ins/SI
(re)	CLI	00.5	0-ccses)	allyl pheso
	0.100		9.1	
			9.5	
				4.1
			3.3	
0.76				
		112	2.6	
1 35	6:230			
		3.2		
	E 210 F 250			
		2.4		
1.26			11.7 10.6 10.6	
1.26	9.125	11		
3.46	9:126		10.1	
7.78				
7.72	9.823			
0.66	2.804			

"Nelow detection living

100	Sample values	Georgetration (re/h)			
he)	(8.)	20.7	erecess)	alişi phosel	
0.10	0.181				
0.12		0.2			
1.14 28 25 25 25 26 27				9.4	
				0.8 0.8 1-9 1.8	
		0.3	109.5 100.5 109.5		
154					
.76	0.390	0.3			
23	V-250				
			107.0		
1.28	7.023	2.7			
				9.7	
.90					

Tomo - Samula volvo

digitomyristophasons, s-sresic, and slays phones
Free concentrations. 10.3 mg/L (BAR), 10.4
(s-sresil), 8.8 mg/L (mily) phones!

Time	Билран тойшке		DOMESTICATION	(P6/2)
Direct.	(6.)	107	**********	allpl phane
1.24	0.258			
			9.3	
1.16	0.200		0.3	
				0.1
	0.216		2.2	013
2.53	0.212	1.3	6.4	
2,28			5.7	
3:64	9.233			1.0
2.33	0.210	1.1	20.2	2.6
2-55	0-214			
3.92	0.211	1.1	12.1	1.1
			12.3	
3.71	0.504	2.2	12.2	7:3
4.35	0.431	1.1		13
1:23	0.123	2.2	5515	777
6.33	0.133	217	11.2	111
		63		
1:22	0.100	113	21.7	7.4
			33.4	
	0.500	110	5512	7.5
		7.5		
				9 4 7
			29.3	

edd w-regularol; Fred documentialians; 3 6 mg/L (2021; 12 2 mg/L (o-cereal); (0.0 mg/L (ally0 phreod); 12.0 mg/L (r-terpined)

Tune	Emple value	Constant and Seption	
(60)		142	0-02110
1.21	9,210		
1.00			
			8.3 8.8 1.8 2.1
2-33	9.258		
		1.2	
		1.1	
	0.258		1.3
		0.1	
2.65		1.7	
1.92 1.20 1.14 1.14			
		2.1	
	9,508		
		5.4	
6 96		6.4	11.7
5,35		210	
7.44		8.0	38.7
1-27	2.010	1.1	37.5
5-27			28-3
14.71	3.778	7.5	18.2

and a-temporent. Fred universitations; 10 % mg/L (EAP), 181 0 (n-ccess)), 18.4 mg/L (ellpi phenel), 10 0 m (n-templess)				
Tare	Sample volumn	Concentration (eg/L)		
Own.	(%)	0.62	6-011003	
0.25	0.255		14	
6.36 0.48	0.189	0-1	1515	
		6.3		
3.66	0.100		111.0	

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This dissertation was submitted to the Graduate Francis of the College of Empilerity and in the Graduate Sotnod and was emerged as partial fairlibrah of the requirements for the degree of Sotton of Millowoods.

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